

WE CLAIM:

-1-

A method for inhibiting cyclooxygenase or prostaglandin H synthase enzymes which comprises:

providing at least one compound isolatable from a cherry with at least one of the enzymes to inhibit the enzymes.

-2-

A method for inhibiting cyclooxygenase or prostaglandin H synthase enzymes which comprises:

providing at least one bioflavonoid compound isolatable from a cherry with at least one of the enzymes to inhibit the enzymes.

-3-

The method of Claim 1 wherein the method is in vitro.

-4-

The method of Claim 1 wherein the method is in vivo.

-5-

The method of any one of Claims 1, 2, 3 or 4 wherein the compound is from a tart cherry.

-6-

The method of any one of Claims 1, 2, 3 or 4 wherein the compound is from a sweet cherry.

-24-

-7-

A method for inhibiting inflammation in a mammal which comprises:

administering at least one compound isolated from a cherry to the mammal to inhibit inflammation.

-8-

The method of Claim 7 wherein the mammal is human.

-9-

The method of any one of Claims 7 or 8 wherein the compound is from a tart cherry.

-10-

The method of Claim 7 wherein the compound is from a sweet cherry.

-11-

A method for inhibiting inflammation in a mammal which comprises:

administering at least one bioflavonoid compound isolatable from a cherry to the mammal to inhibit the inflammation.

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The method of Claim 11 wherein the compound is from a tart cherry.

-13-

The method of Claim 11 wherein the compound is from a sweet cherry.

-14-

The method of Claim 11 wherein the mammal is human.

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*Sub B2*

The method of Claim 1 wherein the compound is contained in a composition which comprises a dried mixture of isolated anthocyanins, bioflavonoids and phenolics from cherries and a food grade carrier.

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The method of Claim 15 wherein the carrier is dried cherry pulp.

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*Sub B3*

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The method of Claim 15 wherein the ratio of dried mixture to carrier is between about 0.1 to 100 and 100 to 0.1.

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*Sub 93*

-18-

The method of any one of Claims 1, 2, 3 or 4 wherein the compound is incorporated into a food.

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-19-

The method of Claim 7 wherein the compound is incorporated into a food.

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-20-

The method of Claim 11 wherein the bioflavonoid is incorporated into a food.

-21-

A method for inhibiting inflammation in a mammal which comprises:

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administering anthocyanin including cyanidin to the mammal to inhibit inflammation.

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The method of Claim 21 wherein the anthocyanin is isolated from a tart cherry.

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-26-

-23-

The method of Claim 21 wherein the anthocyanin is isolated from a sweet cherry.

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-24-

The method of Claim 21 wherein the mammal is human.

-25-

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The method of any one of Claims 21, 22, 23 or 24 wherein the anthocyanin is incorporated into a food.

-26-

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The method of Claim 21 wherein the anthocyanin is essentially pure.

add B5

add a4